

Uni Max A21



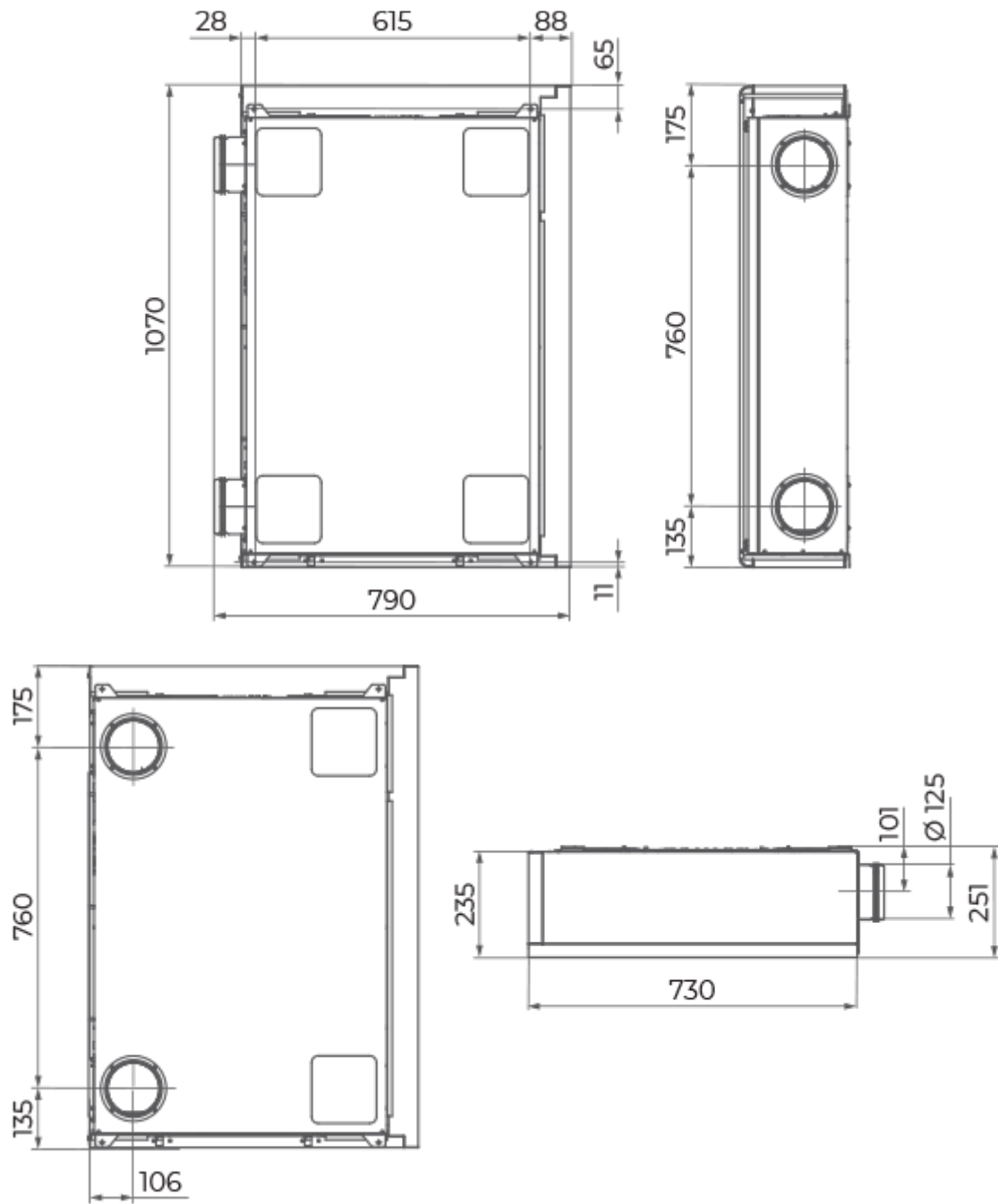
Decentralized unit for the small offices, facilities, classrooms and living spaces.

- Maximum airflow: 160
- Sound pressure level LpA at 3 m: 32
- Sound pressure level LpA at 1 m: 42
- Heat exchanger type: Counter flow
- Extract filter: Coarse 90% / G4
- Supply filter: ePM1 70% / F7 (G4 option)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- Temperature sensor: Built-in

	Unit of measurement	Uni Max A21		
Connected air duct size	mm	125		
Speed	-	3		
Minimum supply voltage	V	230		
Maximum supply voltage	V	230		
Power supply frequency	Hz	50/60		
Rated power	W	58		
Unit current	A	0.5		
Maximum airflow	m ³ /h	60	90	160
Sound pressure level LpA at 3 m	dB(A)	32		
Sound pressure level LpA at 1 m	dB(A)	42		
Heat recovery efficiency, max	%	95		
Heat exchanger type	-	Counter flow		
Heat exchanger material	-	Polystyrene		
Weight	kg	47		
Extract filter	-	Coarse 90% / G4		
Supply filter	-	ePM1 70% / F7 (G4 option)		
Transported air temperature (max)	°C	40		
Transported air temperature (min)	°C	-25		
ErP compliance	-	2016, 2018		
Cold - Specific energy consumption (SEC)	kWh/(m ² /a)	76.3		
SEC Class Cold	-	A+		



Average - Specific energy consumption (SEC)	kWh/(m ² /a)	40.1
SEC Class Average	-	A
Warm - Specific energy consumption (SEC)	kWh/(m ² /a)	16.7
SEC Class Warm	-	E
Unit category	-	RVU
Type of ventilation unit	-	Bidirectional
Type of drive installed	-	Variable speed
Type of heat recovery system	-	Recuperative
Thermal efficiency of heat recovery	%	76
Maximum flow rate	m ³ /h	190
Electric power input	W	58
Reference flow rate	m ³ /s	0.038
Specific power input (SPI)	W/(m ³ /h)	0.207
Control typology	-	Local demand control
Maximum internal leakage rates	%	2.7
Maximum external leakage rates	%	2.7
Airflow sensitivity at +20 Pa and -20 Pa	%	0
Cold - The annual electricity consumption (AEC)	kWh/a	703
Average - The annual electricity consumption (AEC)	kWh/a	166
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	121
Cold - The annual heating saved (AHS)	kWh/a	8517
The annual heating saved (AHS) Average	kWh/a	4354
The annual heating saved (AHS) Warm	kWh/a	1969
Declared typology	-	RVU BVU
Sound power level	dB(A)	50

Dimensions






Accessories







Other accessories

Name	Photo	Description
SF 233x175x22 G4		Panel filter G4
SF 233x175x22 F7		F7 panel filter



Control Panels for AHU

Name	Photo	Description
A22		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
A22 WiFi		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
A25		The control panel with a sensor display

Sensors




Name	Photo	Description
HV2		Humidity sensor
HR-S		Electro-mechanical humidistats
CO2-1		CO2 sensors
CO2-2		CO2 sensors
CO2-3		CO2 sensor
DPWC11200		Humidity sensor

VOC sensors

Name	Photo	Description
DPWQ30600		VOC sensors
DPWQ40200		CO2 sensor

Electrical heaters

Name	Photo	Description
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NKD 125-0,6-1 A21 V.2		Duct heater for supply air post-heating with external control
NKD 125-0,8-1 A21 V.2		Duct heater for supply air post-heating with external control
NKD 125-1,2-1 A21 V.2		Duct heater for supply air post-heating with external control